

Maine Weekly Influenza Surveillance Report

February 23, 2016

For MMWR week 7 (ending 2/20/2016)

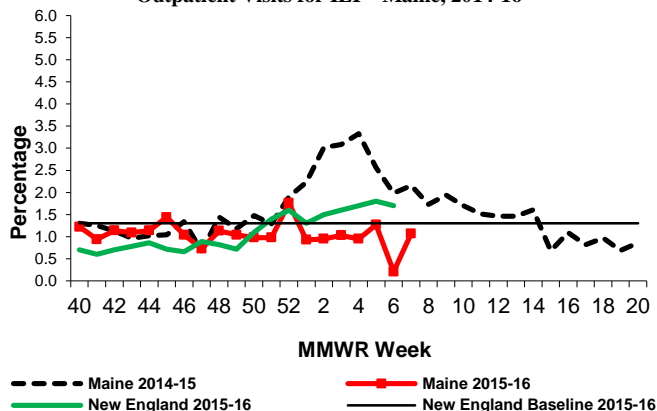
New This Week

- Federal Flu Code: Regional
- Five new hospitalizations reported

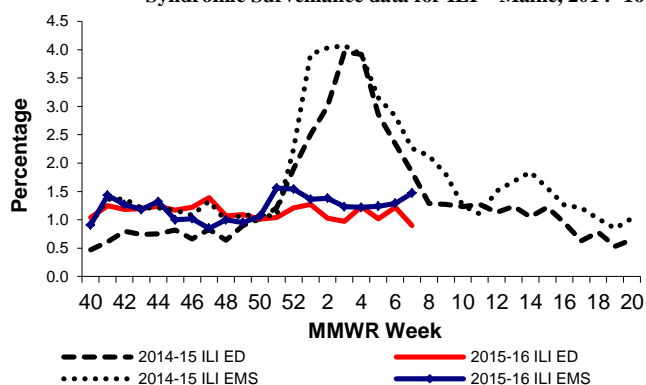
Surveillance Information – Maine, 2015-2016 Influenza Season

- Number of ILINet Providers reporting: 21
 - % of visits for Influenza-Like Illness (ILI): 1.07
- Syndromic Surveillance
 - % of Emergency Room visits for ILI: 0.9
 - % of Emergency Medical Services (EMS) runs for ILI: 1.47
- Number of Hospitals reporting: 2
 - % of admissions due to Pneumonia & Influenza (P&I): 3.1
- Electronic Death Reporting System
 - % of deaths due to P&I: 8.4

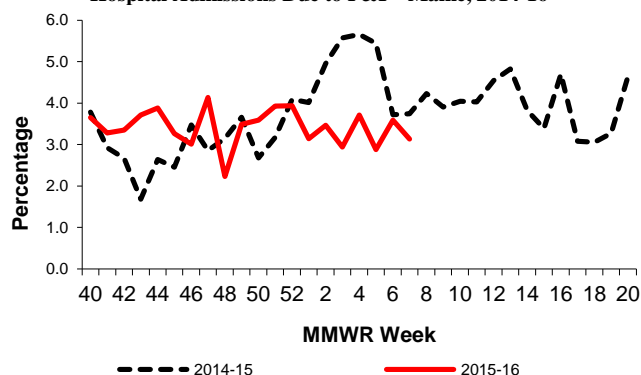
Outpatient Visits for ILI – Maine, 2014-16



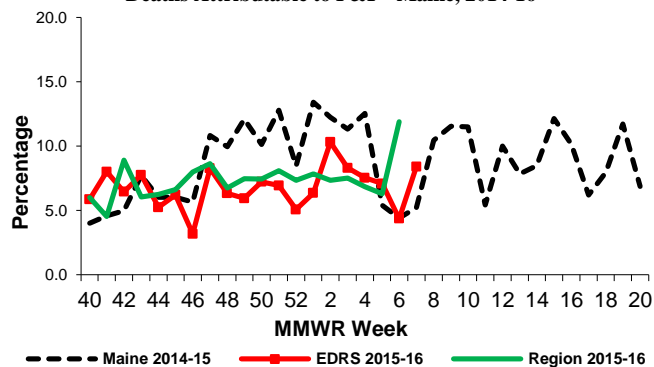
Syndromic Surveillance data for ILI – Maine, 2014 -16



Hospital Admissions Due to P&I – Maine, 2014-16



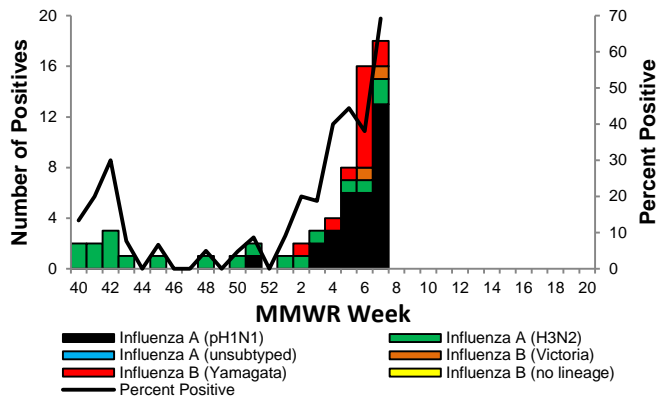
Deaths Attributable to P&I – Maine, 2014-16



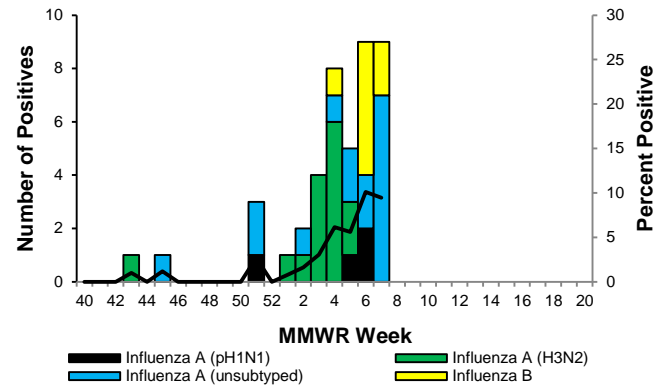
Lab Data – Maine, 2015-2016 Influenza Season

- # of samples tested at HETL: 26
 - # positive: 18
 - % positive: 69.2
- # of samples tested at Maine Reference Labs: 124
 - # positive: 9
 - % positive: 7.3
- # of samples positive by rapid antigen test: 22

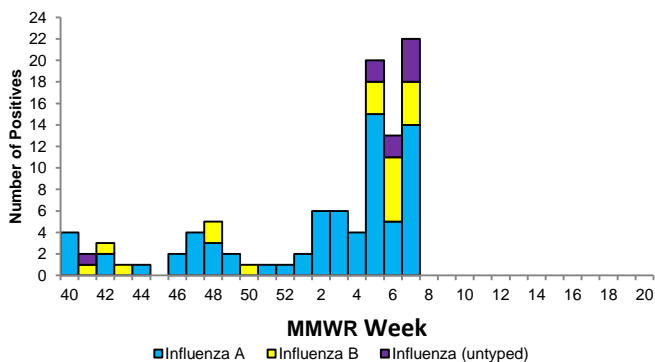
Positive PCR Samples for Influenza, HETL – Maine, 2015-16



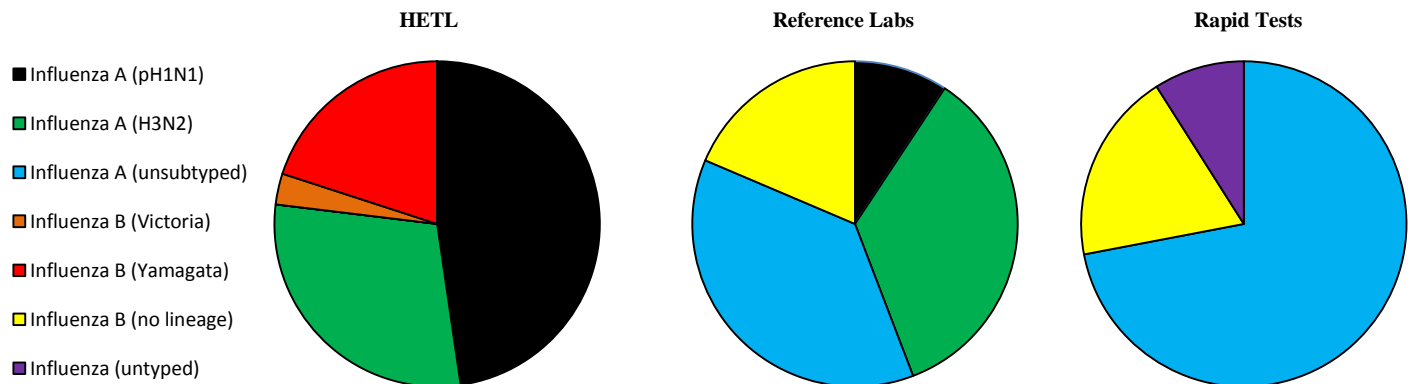
Positive Samples for Influenza, Maine Reference Labs – Maine, 2015-16



Positive Influenza Rapid Antigen Tests – Maine, 2015-16



Cumulative Influenza Positive Tests Reported to Maine CDC by Strain and Test Type

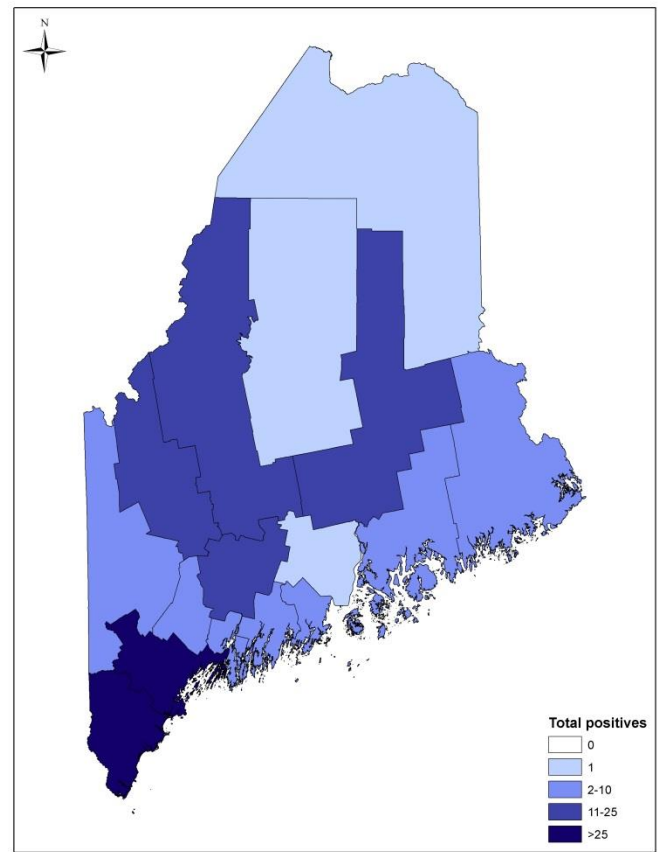


Geographic Distribution of Lab Tests, Maine 2015-16*

County	Positive labs		Hospitalizations	
	Tested this week	Total	New this week	Total
Androscoggin	2	10	0	0
Aroostook	0	1	0	1
Cumberland	9	43	2	5
Franklin	2	13	0	1
Hancock	2	9	0	1
Kennebec	3	13	0	5
Knox	0	2	0	0
Lincoln	0	5	0	0
Oxford	3	5	0	1
Penobscot	9	14	1	4
Piscataquis	1	1	0	0
Sagadahoc	1	2	1	1
Somerset	4	11	0	2
Waldo	1	1	0	0
Washington	0	4	0	0
York	0	39	1	8
Total	37	173	5	29

*Only reported PCR, culture, and rapid antigen tests are included in the chart and map. For more information, see the methods page on <http://www.maine.gov/dhhs/mecdc/infectious-disease/epi/influenza/influenza-surveillance-weekly-updates.shtml>

Positive Influenza Tests, Maine 2015-16



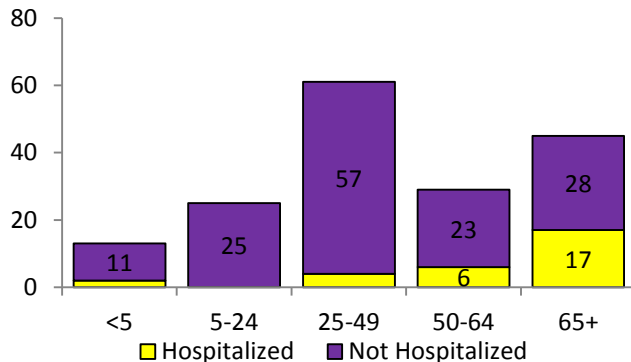
Antiviral Resistance – Maine, 2015-16 Influenza Season

- # of Influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 11
 - # with resistance: 0
- # of Influenza A (H3) samples tested for Tamiflu resistance at HETL: 14
 - # with resistance: 0

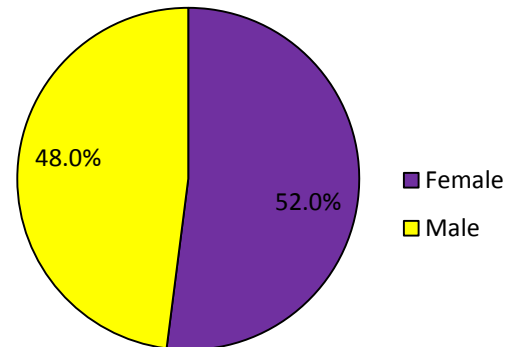
Age and Gender Information – Maine, 2015-16 Influenza Season

- Minimum Age: 7 months
- Mean Age: 46 years
- Maximum Age: 94 years
- Hospitalized Minimum Age: 7 months
- Hospitalized Mean Age: 65 years
- Hospitalized Maximum Age: 94 years

Positive Influenza Tests by Age – Maine, 2015-16



Positive Influenza Tests by Gender – Maine, 2015-16



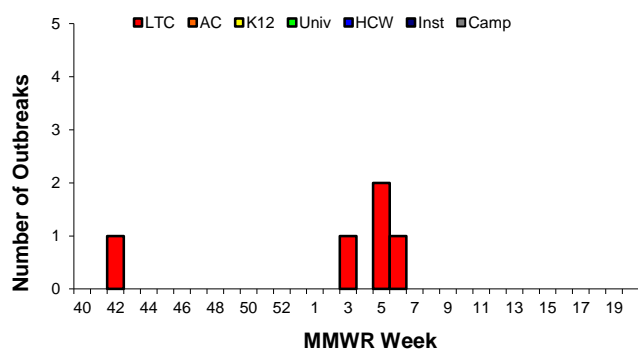
Antigenic Characterization (Vaccine Match)

- Federal CDC has antigenically characterized 532 influenza viruses since October 1, 2015
 - 100.0% of influenza A/H1N1 samples match the vaccine strain
 - 93.5% of influenza A/H3 samples match the vaccine strain
 - 100.0% of influenza B/Yamagata samples match the vaccine strain
 - 100.0% of influenza B/Victoria samples match the vaccine strain

Influenza-Like Illness Outbreaks – Maine, 2015-16 Influenza Season

- # new outbreaks: 0
- Total outbreaks 2015-16 season: 5

Influenza-Like Illness Outbreaks by Facility Type – Maine, 2015-16



Outbreak Facility Type Key:

LTC - Long Term Care Facility
 AC - Acute Care Facility (nosocomial)
 K12 - School (K-12) or daycare
 Univ - School (residential) or University
 HCW - Health care workers
 Inst - Other institutions (workplaces, correctional facilities etc)
 Camp - Camp

Influenza-Like Illness Outbreak by Facility Type and County – Maine, 2015-16

County	LTC	AC	K12	Univ	HCW	Inst	Camp	Total
Androscoggin	2	0	0	0	0	0	0	2
Aroostook	0	0	0	0	0	0	0	0
Cumberland	2	0	0	0	0	0	0	2
Franklin	0	0	0	0	0	0	0	0
Hancock	0	0	0	0	0	0	0	0
Kennebec	0	0	0	0	0	0	0	0
Knox	0	0	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0
Oxford	0	0	0	0	0	0	0	0
Penobscot	0	0	0	0	0	0	0	0
Piscataquis	0	0	0	0	0	0	0	0
Sagadahoc	0	0	0	0	0	0	0	0
Somerset	0	0	0	0	0	0	0	0
Waldo	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0
York	1	0	0	0	0	0	0	1
Total	5	0	0	0	0	0	0	5

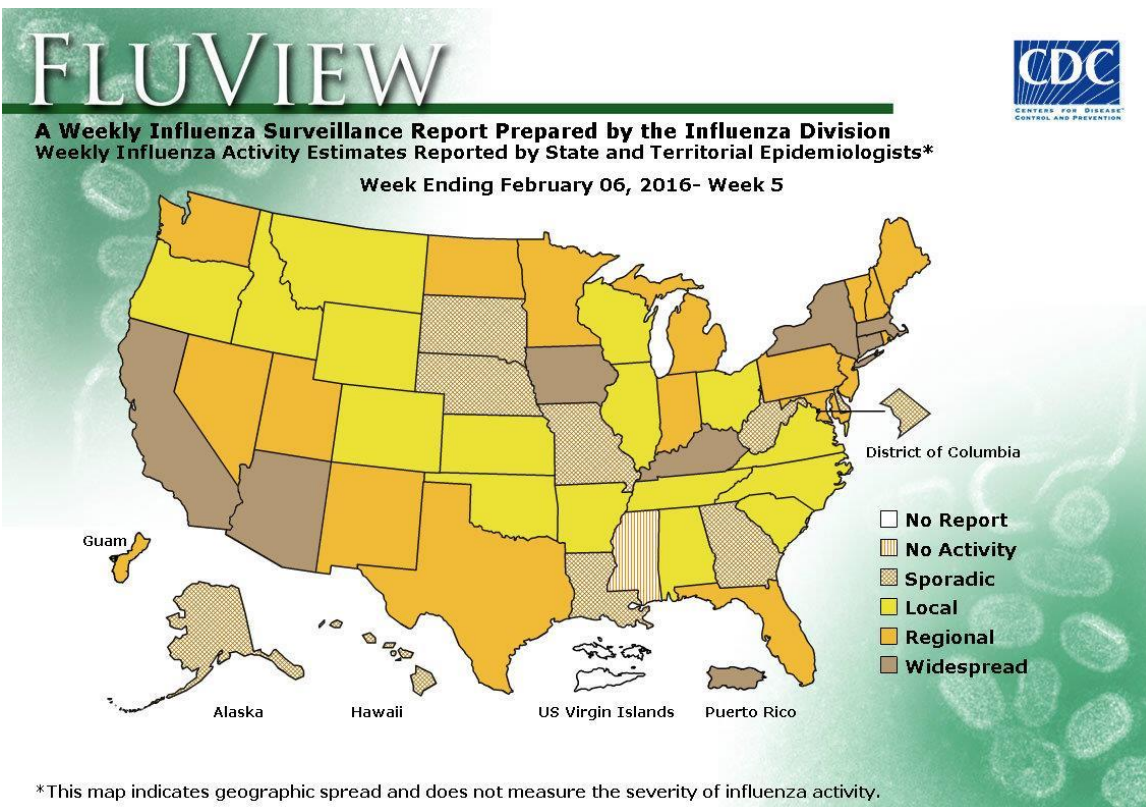
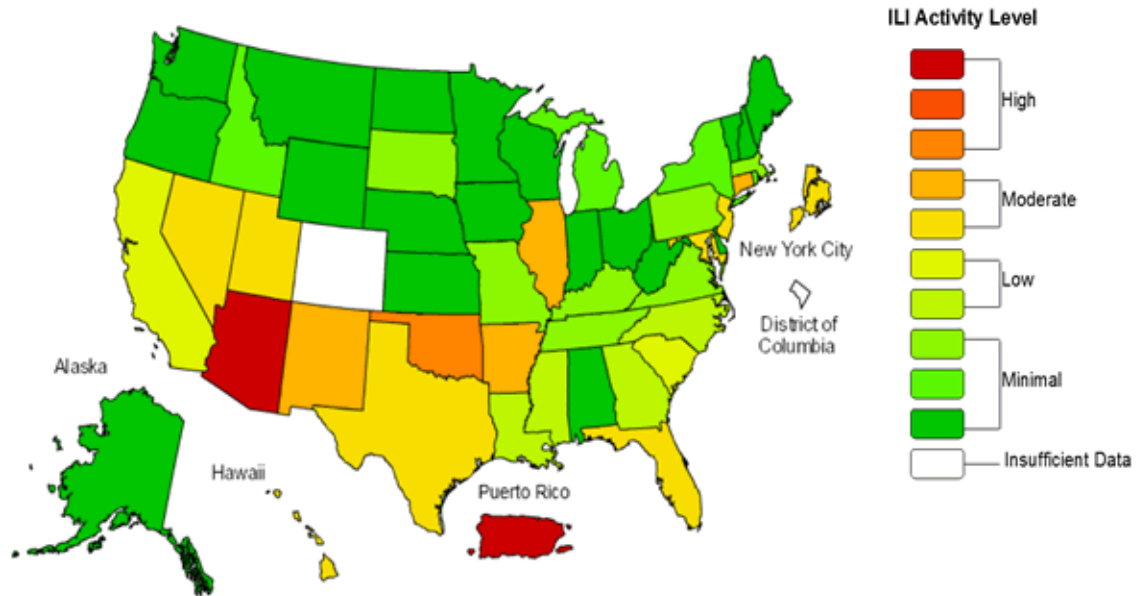
Pediatric Influenza Deaths

- No pediatric influenza-associated deaths reported during the 2015-16 influenza season

National Influenza Surveillance Data

Source: <http://www.cdc.gov/flu/weekly/>

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet 2015-16 Influenza Season Week 6 ending Feb 13, 2016



All data is preliminary and subject to change